

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3520	(381/1,17,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/25 15:05
L2	1982	(381/77,95-97,89,80).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/25 15:05
L3	867	(381/18,335,27).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/25 15:05
S1	3	takumai.in. and \$4speaker and (region\$1 row\$1) and array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 11:30
S3	1	takumai.in. and (\$4speaker and (region\$1 row\$1) and array) and (pass\$4 near5 frequency near5 band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 13:51
S4	62	yamaha.AS. and \$4speaker and (region\$1 row\$1) and array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 13:51
S6	4	((("7113602") or ("7003124") or ("5146507") or ("5789689"))).PN.	USPAT	OR	OFF	2008/08/20 15:08
S7	9	yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (opposite near5 end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:14
S8	3	yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (small\$3 near5 region\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:17

S9	3081	(381/1,17,92,111,122).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:22
S10	317	"381"/\$.ccls. and directi\$4 and ((high near3 pass) treble) and ((low near5 pass) bass) and (mid \$3 near3 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:24
S11	239	"381"/\$.ccls. and directi\$4 and ((high near3 pass) treble) and ((low near5 pass) bass) and (mid \$3 near3 frequency) and \$4speakers	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:25
S12	625	(381/18,335).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:43
S13	50	"381"/\$.ccls. and directi\$4 and ((high near3 pass) treble) and ((low near5 pass) bass) and (mid \$3 near3 frequency) and ((transducer \$4speaker\$1) near5 array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 15:56
S14	24	("4468530").URPN.	USPAT	OR	OFF	2008/08/20 16:06
S15	201	(381/27).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 19:02
S16	169	"381"/\$.ccls. and directi\$4 and ((high near3 pass) treble) and ((transducer \$4speaker\$1) near5 array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 19:08
S17	11	"381"/\$.ccls. and ((transducer \$4speaker\$1) near5 array) near20 stereo near20 surround	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 09:51
S18	6	"381"/\$.ccls. and ((transducer \$4speaker\$1) near5 array) and (stereo near20 surround near20 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 09:53

S19	36	"381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and (stereo near20 surround near20 filter\$3)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 09:54
S20	5	"381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and (stereo near20 surround near20 filter\$3 near20 cent\$3)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 09:54
S21	95	"381"/\$.ccls. and (transducer\$1 \$4speaker\$1) and ((stereo surround) near20 filter\$3 near20 cent\$3)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 09:57
S22	1	"381"/\$.ccls. and ((frequency near3 band) near10 increas\$3 near10 opposite near10 cent\$3 near10 array)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 10:01
S23	23	"381"/\$.ccls. and (frequency near10 (middle center) near10 (\$4speaker\$1 transducer\$1) near10 array)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/22 10:07
S24	5	("4747142").URPN.	USPAT	OR	OFF	2008/08/22 10:21
S25	1	("5953432").URPN.	USPAT	OR	OFF	2008/08/22 10:21
S26	3245	(381/1,17,92,111,122).CCLS.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:25
S27	646	(381/18,335).CCLS.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:25
S28	209	(381/27).CCLS.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:25
S29	3	takumai.in. and \$4speaker and (region\$1 row\$1) and array	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:25

S30	6	konagai.in. and \$4speaker and (region\$1 row\$1) and array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:27
S31	9	yamaha.AS. and \$4speaker and (region\$1 row\$1) and array and (opposite near5 end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:27
S32	1878	(381/77,95-97,89,80).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/20 14:40
S33	0	takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 channel near5 direction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/28 15:42
S34	0	takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 direction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/28 15:42
S35	1	takumai.in. and \$4speaker and (region\$1 row\$1) and array and direction\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/28 15:42
S36	0	takumai.in. and \$4speaker and (region\$1 row\$1) and array and (center near5 non-direction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/28 15:43
S37	0	takumai.in. and \$4speaker and (region\$1 row\$1) and array and (non-direction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/03/28 15:43
S38	3367	(381/1,17,92,111,122).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/09/13 17:40
S39	659	(381/18,335).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/09/13 17:40

S40	214	(381/27).CCLS.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/09/13 17:40
S41	1928	(381/77,95-97,89,80).CCLS.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/09/13 17:40
S42	1	"381"/\$.ccls. and frequency near10 band near10 \$4speaker \$1 near10 opposite near10 (center central) near10 array	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/22 10:14
S43	0	"381"/\$.ccls. and (frequency near10 band near10 \$4speaker \$1 near10 opposite near10 (center central) near10 array) and decrease	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/22 10:16
S44	0	"381"/\$.ccls. and (frequency near10 band near10 \$4speaker \$1 near10 opposite near10 (center central) near10 array) and decreas\$3	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/22 10:17
S45	1	"381"/\$.ccls. and (frequency near10 band near10 \$4speaker \$1 near10 opposite near10 (center central) near10 array) and decrease	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/22 10:17
S46	0	"381"/\$.ccls. and (high\$2 near10 frequency near10 band near10 (allocat\$3 assign\$3 reallocat\$3 allot\$3 portion\$3) near10 (small \$3 decreas\$3) near10 number near10 \$4speakers)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/22 12:38

## EAST Search History (Interference)

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